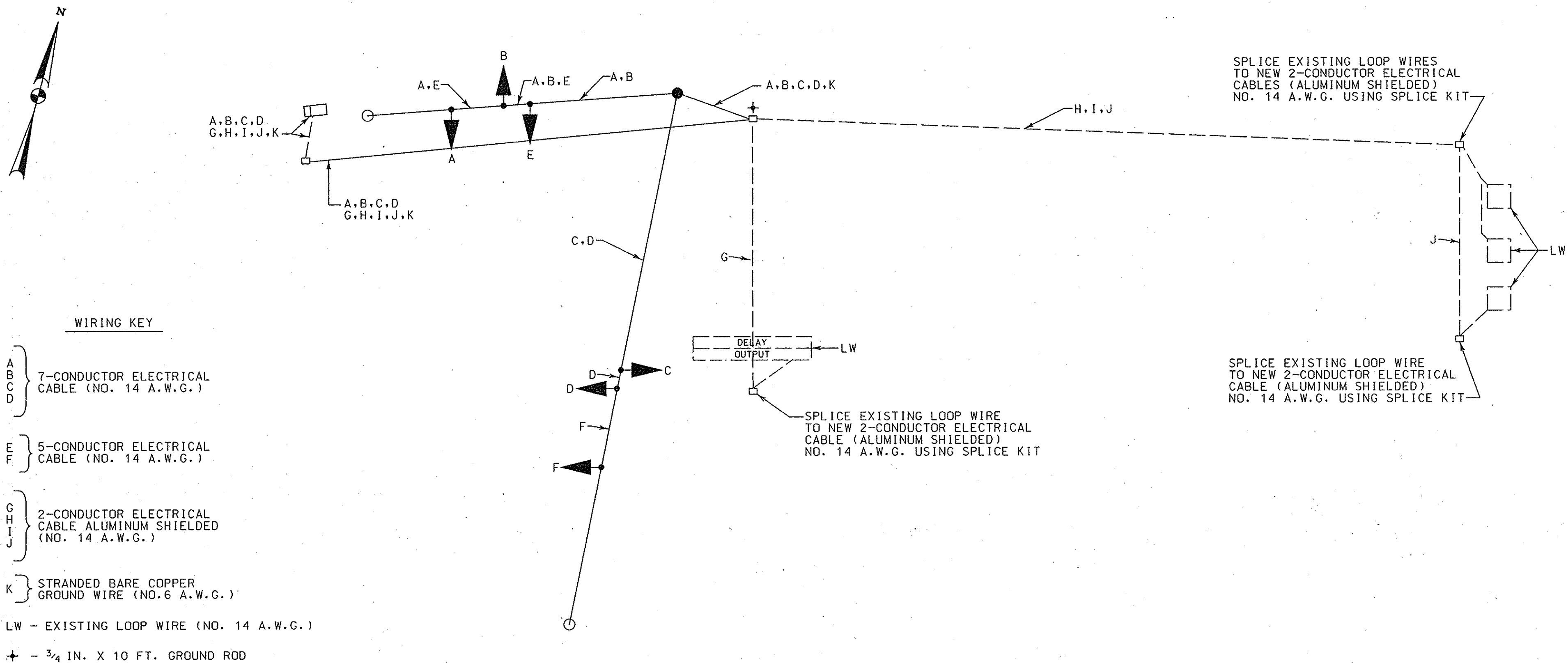


PROJECT DESCRIPTION		EQUIPMENT LIST "A"		EQUIPMENT LIST "B"																																																																						
<div>GENERAL</div> <div>THIS PROJECT INVOLVES THE REPLACEMENT OF A DAMAGED STRAIN POLE AT THE INTERSECTION OF MD 223 (WOODYARD ROAD) AND PINE VIEW LANE IN PRINCE GEORGE'S COUNTY.</div> <div>INTERSECTION OPERATION</div> <div>THE INTERSECTION OPERATION WILL REMAIN THE SAME.</div> <div>CONTROLLER REQUIREMENTS</div> <div>EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.</div>		<div>A. EQUIPMENT TO BE SUPPLIED BY THE SHA</div> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>9000</td><td>1 EACH</td><td>12IN. x 30 FT. STEEL STRAIN POLE</td></tr></tbody></table>		ITEM NO.	QUANTITY	DESCRIPTION	9000	1 EACH	12IN. x 30 FT. STEEL STRAIN POLE	<div>B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR</div> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>1001</td><td>1 EACH</td><td>MAINTENANCE OF TRAFFIC</td></tr><tr><td>2002</td><td>1 C.Y.</td><td>TEST PIT EXCAVATION</td></tr><tr><td>6003</td><td>30 S.F.</td><td>4 INCH CONCRETE SIDEWALK</td></tr><tr><td>8002</td><td>14 EACH</td><td>12 INCH RED OR. GREEN LED SIGNAL HEAD SECTION</td></tr><tr><td>8003</td><td>7 EACH</td><td>12 INCH YELLOW LED SIGNAL HEAD SECTION</td></tr><tr><td>8011</td><td>3 EACH</td><td>8 INCH LED SIGNAL (R.Y.G) HEAD SECTION</td></tr><tr><td>8028</td><td>1 EACH</td><td>REM & DISPOSE MAT & EQUIP PER ASSIGN</td></tr><tr><td>8030</td><td>1 EACH</td><td>REMOVE & DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE</td></tr><tr><td>8048</td><td>65 L.F.</td><td>4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED</td></tr><tr><td>8049</td><td>25 L.F.</td><td>3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED</td></tr><tr><td>8040</td><td>5 C.Y.</td><td>CONCRETE FOR SIGNAL FOUNDATION</td></tr><tr><td>8043</td><td>185 L.F.</td><td>NO. 6 AWG STRANDED BARE COPPER GROUND WIRE</td></tr><tr><td>8064</td><td>40 S.F.</td><td>INSTALL OVERHEAD SIGN</td></tr><tr><td>8070</td><td>1 EACH</td><td>GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH</td></tr><tr><td>8075</td><td>1555 L.F.</td><td>ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)</td></tr><tr><td>8078</td><td>50 L.F.</td><td>ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)</td></tr><tr><td>8079</td><td>1135 L.F.</td><td>ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)</td></tr><tr><td>8084</td><td>1 EACH</td><td>INSTALL STEEL STRAIN POLE- ANY SIZE</td></tr><tr><td>8085</td><td>220 L.F.</td><td>STEEL SPAN WIRE - 1/4 INCH DIAMETER</td></tr><tr><td>8086</td><td>220 L.F.</td><td>STEEL SPAN WIRE - 3/8 INCH DIAMETER</td></tr></tbody></table>		ITEM NO.	QUANTITY	DESCRIPTION	1001	1 EACH	MAINTENANCE OF TRAFFIC	2002	1 C.Y.	TEST PIT EXCAVATION	6003	30 S.F.	4 INCH CONCRETE SIDEWALK	8002	14 EACH	12 INCH RED OR. GREEN LED SIGNAL HEAD SECTION	8003	7 EACH	12 INCH YELLOW LED SIGNAL HEAD SECTION	8011	3 EACH	8 INCH LED SIGNAL (R.Y.G) HEAD SECTION	8028	1 EACH	REM & DISPOSE MAT & EQUIP PER ASSIGN	8030	1 EACH	REMOVE & DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE	8048	65 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	8049	25 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	8040	5 C.Y.	CONCRETE FOR SIGNAL FOUNDATION	8043	185 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	8064	40 S.F.	INSTALL OVERHEAD SIGN	8070	1 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	8075	1555 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	8078	50 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	8079	1135 L.F.	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	8084	1 EACH	INSTALL STEEL STRAIN POLE- ANY SIZE	8085	220 L.F.	STEEL SPAN WIRE - 1/4 INCH DIAMETER	8086	220 L.F.	STEEL SPAN WIRE - 3/8 INCH DIAMETER
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<div>MAINTENANCE OF TRAFFIC</div> <div>THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.</div> <div><div>STANDARD NO. MD-104.04-01 (SHOULDER WORK)</div><div>STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)</div><div>STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)</div><div>STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)</div><div>STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)</div><div>STANDARD NO. MD-104.04-15 (INTERSECTION LEFT LANE, TURN BAY)</div></div>		<div>EQUIPMENT LIST "C"</div> <div>C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA</div> <div>ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR</div>																																																																								
<div>PROJECT CONTACTS</div> <div>THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:</div> <div><div>MR. BRIAN YOUNG PHONE: (301) 513-7358 ASSISTANT DISTRICT ENGINEER - TRAFFIC</div><div>MR. AUGIE REBISH DISTRICT UTILITY ENGINEER PHONE: (301) 513-7350</div><div>MR. WAYNE MOWDY ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 513-7304</div><div>MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630</div></div>																																																																										

WIRING DIAGRAM



TOD NO: AT782-61
SHA No.: 23863T16181
MD 223 @ Pine View Lane

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 223 (Woodyard Road) and
Pine View Lane

GENERAL INFORMATION SHEET

SCALE	NONE	DATE	10/06/2006	CONTRACT NO.	AT7825185
DESIGNED BY	B. PECK	COUNTY	PRINCE GEORGE'S		
DRAWN BY	B. PECK	LOGMILE	16022307.33		
CHECKED BY	N. LEARY	TMS NO.	1124		
FAP NO.		TOD NO.			
TS NO. 1196D	DRAWING	OF	SHEET NO. 2	OF 2	

WR&A
Whitman, Requardt
and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450